

## Isocrete 4000 (0-50 mm)

A hand applied, self levelling, single component quick hardening screed for levelling and smoothing floors where fast drying is essential.

Typically used for filling holes or depressions, for fast track refurbishment and new construction where flooring needs to be applied very quickly.



### Rapid Installation:

Quick turnaround during application dramatically reduces downtime.



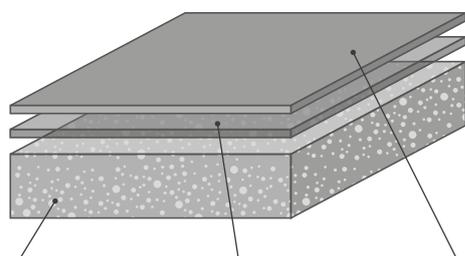
### Protein Free:

Will not harbour bacteria, yeast or mould.



### Fast Drying & Setting:

Walk on after 2 hrs, cover after 4 hrs (at 10 mm dependent on conditions).



Prepared Substrate

Isocrete Primer

Isocrete 4000

## Technical Profile\*

|   |                      |             |
|---|----------------------|-------------|
| <b>REACTION TO FIRE</b>                     |                      |             |
| EN 13501-1                                  | B <sub>fl</sub> -s1  |             |
| <b>IMPACT RESISTANCE</b>                    |                      |             |
| BS 8204-1                                   | Category A           |             |
| <b>THERMAL RESISTANCE</b>                   |                      |             |
| 50°C Max                                    |                      |             |
| <b>COMPRESSIVE STRENGTH (28 DAYS)</b>       |                      |             |
| EN 13892-2                                  | 30 N/mm <sup>2</sup> | C30         |
| <b>FLEXURAL STRENGTH (28 DAYS)</b>          |                      |             |
| EN 13892-2                                  | 7 N/mm <sup>2</sup>  | F7          |
| <b>ADHESION TO C30 CONCRETE (28 DAYS)</b>   |                      |             |
| > 1 N/mm <sup>2</sup>                       |                      |             |
| <b>SHRINKAGE</b>                            |                      |             |
| < 0.5%                                      |                      |             |
| <b>MAXIMUM PARTICLE SIZE</b>                |                      |             |
| 0.5 mm                                      |                      |             |
| <b>PROTEIN CONTENT</b>                      |                      |             |
| Nil   |                      |             |
| <b>THICKNESS</b>                            |                      |             |
| 0-50 mm                                     |                      |             |
| <b>LAYING TEMPERATURE</b>                   |                      |             |
| 5-25°C                                      |                      |             |
| <b>FLOW RING (65 mm Diam. × 40 mm High)</b> |                      |             |
| 220-240 mm                                  |                      |             |
| <b>MIX RATIO PER 25 KG</b>                  |                      |             |
| 4.5-4.8 litres water                        |                      |             |
| <b>SPEED OF CURE</b>                        | <b>10°C</b>          | <b>20°C</b> |
| Walk on                                     | 2-4 hrs              | 1-2 hrs     |
| Full Traffic                                | 1 day                | 1 day       |

\*These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

## Model Specification

|           |               |
|-----------|---------------|
| System    | Isocrete 4000 |
| Thickness | 0–50 mm       |

Preparatory work and application in accordance with manufacturer's instructions.

## Products Included In This System

|                     |  |
|---------------------|--|
| Primer              | Isocrete Primer @ 0.05 kg/m <sup>2</sup>                     |
| Or if DPM required: |  |
| DPM                 | Hydraseal DPM @ 0.5 kg/m <sup>2</sup>                        |
| Sand scatter        | Dry Silica Sand/Quartz grade<br>1–2 mm @ 2 kg/m <sup>2</sup> |
| Floor Screed        | Isocrete 4000<br>@ 17 kg/m <sup>2</sup> for 10 mm            |

Detailed application instructions are available upon request.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry to 75% RH, tested in accordance with BS8203 and free from rising damp and ground water pressure. If above 75% RH, or no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Isocrete 4000 (Novus) system, enabling the immediate installation of floor finishes once the screed has dried.

## Installation Service

The installation can be carried out by any competent contractor. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website [www.flowcrete.co.uk](http://www.flowcrete.co.uk).

## Drying Time

Moisture sensitive floor finishes can be installed when the screed is dry to 75% RH as per BS8203, typically after 4 hours for a 10 mm screed, dependent on ambient conditions (20°C, 50% RH). Allow the product to harden (without draughts), then ensure the area has sufficient ventilation to allow the screed to dry.

## Protection on Completion

Ensure the screed is not subject to draughts and strong sunlight during the first 6 hours of curing as this may lead to cracking and crazing. Tape up doorways with polythene to prevent air movement. Prevent contamination by following trades e.g. plastering, including water spillage.

## Important Notes

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request. Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [05/06/19, 01 UK]